

## Боя Verling емулсионна на водна основа срещу формалдеhid 10 кг, бяла, Formafree



### Description

Special, high quality water-based paint for walls and ceilings for interior use. It develops an active substrate which can eliminate the formaldehyde that is present in the air. It also has a zero impact regarding VOC emissions and dangerous substances and it has very good resistance to common household contaminants and easy to clean properties.

### Product Characteristics

- Formaldehyde scavenger.
- Zero VOC content.
- Extreme low dangerous substances content.
- Total emissions category A+
- High opacity and coverage.
- Good mechanical resistance.
- Good resistance to often cleaning.
- Fast drying properties.
- Odorless.

### Indoor Air Quality

It is referred to the air quality within the buildings and structures in general. IAQ is known to affect the health, comfort and well-being of building occupants. Poor indoor air quality has been linked to Sick Building Syndrome. Factors that can affect the air quality are among others, volatile organic compounds (VOCs), formaldehyde and dangerous substances in general.

### Volatile Organic Compounds (VOCs)

This term refers to organic chemicals that have a high vapor pressure in normal room temperature. This causes large number of molecules to evaporate and enter the surrounding air. Some VOCs are very harmful like formaldehyde while others have compounding long-term health effects.

### Formaldehyde

Formaldehyde is chemical organic compound in gas state. It is a colorless, strong-smelling gas and is a very harmful organic compound. The main concerns are associated with long term exposure by inhalation. Formaldehyde is used in making building materials and many household products. It is used in pressed-wood products, such as particleboard, plywood, and fiberboard; glues and adhesives; permanent-press fabrics; paper product coatings; and certain insulation materials.

### Sick building syndrome (SBS)

It is a condition where people in a building or a structure suffer from symptoms of illness or feel unwell for no apparent reason. The symptoms tend to increase with the time people spend in the building and improve over time or even disappear when people are away from the building. The main observation is an increased incidence of complaints of symptoms such as headache, eye, nose, and throat irritation, fatigue, and dizziness and nausea. SBS is caused by the internal air pollution coming from VOCs, formaldehyde, dangerous substances

### The Forma Free case

Formafree is a functional technologically upgraded coating which combines the properties of a high-quality coating and at the same time it is an odorless, zero VOC and free from dangerous substances coating. Except from these properties the product can neutralize the formaldehyde that is present in the air. This ability makes the product unique in the category of interior coatings. The functional properties of Formafree (zero VOC, lack of dangerous substances, formaldehyde neutralization) have been measured and tested by Eurofins laboratory. Interior areas that have been painted with Formafree have better indoor air quality and thus contribute to the elimination of the Sick Building Syndrome.

### Application Instructions

Thin with water at a percentage up to 13% by volume and then stir well before use. The surfaces to be painted must be dry and clean. Apply by brush or roller in two or more layers. Apply at temperatures from 10°C to 30°C and maximum relative humidity 80%. Overcoat after at least 6 hours

### Technical Specifications

Binder	Special water-based functional resin.
Pigments	Titanium dioxide (White and white bases).
Fillers	Calcium carbonate, talc, aluminium silicate.
V.O.C.	0 gr/lt (max content in Volatile Organic Compounds of ready to use product)
Total product	Class A+ (Eurofins – ISO 16000)
Solids by weight	68 % ± 2 (White)
Solids by volume	43 % ± 1 (White).
Specific Gravity	1.56 - 1.58 -ISO 2811 (White)
Viscosity	105 – 110 K.U., 250C (ASTM D562).
Gloss	1,0 - 1,5 units at 600 / 2,0 - 2,5 units at 850
Coverage	13-15 m <sup>2</sup> /lt per coating.
pH	8,6 – 8,8
Wet abrasion	Class 1 – EN ISO 11998/EN 13300
Opacity CR	> 98,5 (150µm wet film for white)
Solvent	Water.
Thinning	Thin with water, at a percentage up to 13 % by volume.
Application	By brush or roller.
Drying time	Touch dry after 30 to 60 minutes (the drying time might be elongated depending on temperature and humidity conditions).
Reapplication	after 6 hours

Продукт: [Боя Berling емулсионна на водна основа срещу формалдехид 10 кг, бяла, Formafree](#)

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